

## Articulation Agreement

**Institution:** Bristol Community College

**Date:** Spring 2015

**Transfer Institution:** UMASS Dartmouth

**Summary of Benefits:**

- **Guaranteed Admission with a cumulative GPA of 2.5**
- **Massachusetts tuition credit for students with a cumulative GPA of 3.0 (renewable if GPA is maintained 3.0 or better)**
- **Guaranteed transfer and applicability of 65 credits**

BCC: Engineering Transfer, Engineering Science	Credit(s)	UMassD: Mechanical Engineering	Credit(s)
<b>General Courses</b>			
ENG 101 Comp I: College Writing	3	ENL 101 Critical Writing and Reading I	3
ENG 102 Comp II: Writing about Literature	3	ENL 102 Critical Writing and Reading II	3
ENG 215 Technical Writing	3	ENL 266 Technical Communication	3
HST 114 United States History from 1877	3	HST 116 History of US II	3
SOC 101 Principles of Sociology	3	SOA 101 Introduction to Sociology	3
PHL 101 Introduction to Philosophy OR PHL 152 Ethics: Making Ethical Decisions in a Modern World	3	PHL 101 Introduction to Philosophy OR PHL 215 Introduction to Ethics	3
<b>Core Courses</b>			
CAD 111 Mechanical Design with Solidworks	3	MNE 101 Intro. to Mechanical Engineering	3
CSS 101 College Success Sem., EGR 204 Engineering Applications of MATLAB , EGR251 Statics & EGR 253 Advanced Statics	6	EGR 111 Intro. to Engineering and Computing & EGR241 Engineering Mechanics I: Statics	3 3
EGR 231/233 Electrical Engineering with Lab I	4	ECE 211 Elements of Electrical Engineering I & ECE 251 Elements of Electrical Engineering Lab	3 1
EGR 255 Thermodynamics	3	MNE 220 Engineering Thermodynamics I	3
EGR 172 Material Science	4	MNE 231 Material Science	4

<b>Math &amp; Science Courses</b>			
CHM 113 Fundamentals of Chemistry I	4	CHM 151 Principles of Modern Chemistry I and CHM 161 Introduction to Applied Chemistry I	4
MTH 214 Calculus I	4	MTH 151 Calculus I	4
MTH 215 Calculus II	4	MTH 152 Calculus II	4
MTH 253 Calculus III	4	MTH 211 Analytical Geometry and Calculus III	4
MTH 254 Ordinary Differential Equations	3	MTH 212 Differential Equations	3
PHY 211 General Physics I	4	PHY 113 Classical Physics I	4
PHY 212 General Physics II	4	PHY 114 Classical Physics II	4
<b>Total Credits</b>	<b>65</b>		<b>65</b>

<b>Additional courses eligible for transfer into UMD's Mechanical Engineering Program</b> <b>Choose One (course will meet major Science Elective Requirement)</b>			
CHM 114 Fundamentals of Chemistry II	4	CHM 152 Principles of Modern Chemistry II and CHM 162 Introduction to Applied Chemistry II	4
CIS158 Intro. to Procedural Programming	4	ECE 160 Foundations of Computer Engineering I	4

*Note:* Students that want to be able complete their degree at UMass Dartmouth in 2 years must complete **UMass Dartmouth's EGR 242 - Engineering Mechanics II: Dynamics** prior to transferring to UMass Dartmouth. This course is usually offered during the Spring & Summer Semesters. Enrollment in the Spring semester may be covered by [the SACHEM Program](#).